

Abstract of the Disclosure

A method and system for improving a color image separable into three color components. A noise-filtering unit is used to filter the color components for providing noise-filtered color components. The edge information extracted from one color component is used to adjust the noise-filtered color component of a different color. The algorithm for noise filtering of color components can be based on linear spatial filters, non-linear filters or the combinations thereof. The algorithm for edge detection can be based on directional or non-directional spatial filters.

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